

## AMENDMENTS TO CLAIMS

1-106. (Canceled).

107. (new) A multi-position reclining bed comprising:

- a. a horizontally situated elongated track,
- b. a plurality of supporting elements positioned above and

overlying said track, and moveably coupled thereto, and  
comprising:

- i. a back section, moved by back linear actuator;
- ii. a buttocks section, moved by buttocks linear actuator; and
- iii. a thigh/calve section, moved by a thigh/calve linear actuator

said supporting elements being pivotably connected to each other at abutting  
edges and

- c. said back linear actuator coupled to the supporting elements, said back  
section being coupled to said track section and configured to move an end  
portion thereof vertically in a vertical plane when, said back linear actuator  
is activated, such that when said back section is raised or lowered, said end  
portion remains substantially the same distance from an adjacent wall, and  
wherein said coplanar thigh/calve section reclines pivotally below a  
horizontal plane of bed in a downward direction pivotally about an adjoining  
edge with said buttocks section

d. a mattress that rests on said plurality of supporting elements

108. (new) The multi-position reclining bed of Claim 107 further including; two independent sections; a thigh section and a calve section, and a knee linear actuator, a pivot fixture coupled to a coplanar thigh/calve linear actuator, and a knee linear actuator coupled to knee elevation support members, wherein;

said pivot fixture is pivotally connected to said buttocks section to provide a pivot for said knee elevation support members,

said thigh section and said coplanar calve/thigh linear actuator moves said coplanar thigh/calve section, when locked in a coplanar configuration, pivotably about said buttocks section below the horizontal plane of said bed, and wherein, when horizontal, said knee linear actuator locks and unlocks said thigh and said calve sections to move said thigh section and said calve section pivotably about each other while structurally supported by said knee elevation support members and said pivot fixture above the horizontal plane of bed.

109. (new) The multi-position reclining bed of claim 108 further including a transfer link and lock springs, wherein said thigh section and said calves section are configured into a locked position by said lock springs in their elongated state, that force said transfer link to remain in an over centered locked position whereby said knee linear actuator is eliminated.

110. (new) The multi-position reclining bed of Claim 107 wherein said thigh/calve section, when in planar resting position, extends beyond said track, whereby when said back section is elevated, said thigh/calve section is provided clearance to drop below the horizontal plane of said track.

111. (new) The multi-position reclining bed of Claim 107 wherein said coplanar thigh/calve section is supported by a cantilever mechanism attached to the underside thereof, and supported by said track at a point toward the longitudinal center of the bed thereby providing cantilever support to said coplanar thigh/calve section and whereby said track does not interfere when lowering said coplanar thigh/calve section to floor.

112. (new) The multi-position reclining bed of claim 107, further comprising a swing arm attached to any of said supporting elements wherein said swing arm can swing over said mattress and to side of said mattress.

114. (new) The multi-position reclining bed of claim 112 further comprising a plurality of arm rests wherein said armrests are secured to said swing arm.

115 (new) The multi-position reclining bed of claim 112 further including a swivel lock wherein said swing arm is capable of locking into position by said swivel lock.

116 (new) The multi-position reclining bed of claim 112 further comprising a desk wherein said desk is attached said swing arm.

117. (new) The multi-position reclining bed of claim 112 further comprising electrical and data connections, wherein said electrical and data connections are secured to said swing arm whereby they accessible to the occupant of the bed.

118. (new) The multi-position reclining bed of claim 107, wherein said buttocks linear actuator and said buttocks section form a double bar linkage resulting in substantially minor vertical movement of the lower edge of the

calves section of said coplanar leg section as said buttocks section is reclined.

119. (new) The multi-position reclining bed of claim 107 further comprising a box spring having a reduced thickness at the lower edge of the calves section wherein said box spring allows top surface of said coplanar thigh calve section to lower within close proximity of floor.

120. (new) The multi-position reclining bed of claim 107, further including a plurality of surfaces with varying coefficients of friction on said bed surface wherein a first said surface of high coefficient of friction grips said buttocks portion of said mattress, and a second said surface of low coefficient of friction allows back portion of mattress to slide along said back section.

121. (new) The multi-position reclining bed of claim 107, further including a releasable mechanical holding device wherein said releasable holding device secures the mattress element to top of said supporting elements.

122. (new) The multi-position reclining bed of claim 121, wherein said releasable mechanical holding device is located at a sufficient distance from the perimeter of the mattress and box spring to avoid interference with the

placement of sheets and/or other bedding materials around the width of the mattress.

123. (new) The multi-position reclining bed of claim 107, further comprising:

- a. a nut
- b. a socket
- c. a thrust ball bearing
- d. a compression spring
- e. threaded rod of said back section linear actuator
- f. a bearing housing

wherein said nut disengages during obstruction of downward reclining motion of said back section by action of rotating threaded rod that separates said nut from said socket when said spring becomes compressed.

124. (new) The multi-position reclining bed of claim 114 further comprising a footrest located at the bottom end of said calves section and a foot rest actuating mechanism wherein said footrest can be moved along length of bed to support feet of person by said foot rest actuating mechanism.

125. (new) The multi-position reclining bed of claim 112 further including a buttocks sling secured to said arm rests that allows the occupant's buttocks to remain elevated from surface of said mattress when said buttocks section is lowered.

126. (new) The multi-position reclining bed of claim 107, further comprising a powered mechanism located behind the back section, that is capable of causing a protrusion of the back section of the mattress.

127. (new) A multi-position reclining bed comprising:

a. a horizontally situated elongated track,  
b. a plurality of supporting elements positioned above and  
overlying said track, and moveably coupled thereto, and  
comprising:

- i. a back section, moved by back linear actuator;
- ii. a thigh/calve section, moved by a thigh/calve linear actuator

said supporting elements being pivotably connected to each other at abutting edges and a swing arm and armrests, wherein said swing arm is attached to said supporting elements and said arm rests are attached to said swing arm.

128. (new) The bed of claim 127 further including a buttocks sling wherein said buttocks sling is secured to said armrests.